KEY SKILL — Writing Half Equations Using the rules for writing % equations write % equations for the following and state if an oxidation or reduction ½ equation.

Redox Change	Half Equation	Ox/Red?
H₂SO₃ → S		
UO <sub>2</sub> <sup>2+</sup> → U <sup>4+</sup>		
As → H₃AsO₃		
CO₂ → HCOOH		
$N_2H_5^+ \rightarrow N_2$		
AsH₃ → As		
10 <sub>3</sub> · → 1 <sub>2</sub>		
$CO_2 \rightarrow H_2C_2O_4$		
HClO <sub>2</sub> → ClO <sub>3</sub> -		
Cr³+ → Cr <sub>2</sub> O <sub>7</sub> <sup>2-</sup>		
AgO → Ag <sub>2</sub> O		
l³_ → l_		
$S_4O_6^{2-} \rightarrow S_2O_3^{2-}$		
VO <sup>2+</sup> → V <sup>3+</sup>	,	
NO₃⁻ → NO₂		
ClO <sub>4</sub> - → Cl-		
O₂ → OH		

## KEY SKILL – Writing Half Equations

Using the rules for writing ½ equations write ½ equations for the following and state if an oxidation or reduction ½ equation.

Redox Change	Half Equation	Ox/Red?
$H_2SO_3 \rightarrow S$	4=+4H+4LSO3->5+3H2O	Red.
UO <sub>2</sub> <sup>2+</sup> → U <sup>4+</sup>	2=+4u+4022+ > 4x+240	Red.
$As \rightarrow H_3AsO_3$	34.0+As -> H3 Aso3 +34+36-	o×
CO₂ → HCOOH	2e+2x++(02 >42002	Red
$N_2H_5^+ \rightarrow N_2$	N2N5+>N2+5H+4E	°×
AsH₃ → As	Ask3 -> As+3h+3e-	0×
$ O_3^- \rightarrow  _2$	=+12h+7103 -> I2+6420	Red.
$CO_2 \rightarrow H_2C_2O_4$	207 4+2002 > Harry	Red.
+3 +5 HClO <sub>2</sub> → ClO <sub>3</sub> -	4,0+440, > <10, +34+2e	ok
. 9	40+2Cr3+ -> Cr2072+44+6	é O×
	et211+2Ag0 > Agr0+40	Rak
13 <sup>-</sup> → 1 <sup>-</sup>	2e+ I3 ->3I-	Red.
$S_4O_6^{2-} \rightarrow S_2O_3^{2-}$	2e+ 54062-> 252032	Red
	+24+ 4024 -> v3++ HLO.	Red
$NO_3$ $\rightarrow NO_2$ $e$	+ 2u+ NO3 -> NO2 + NO	Ped.
+7 <sub>ClO4</sub> - → Cl-	e7811+Cl0x >cl-+4H0	Red.
$O_2 \rightarrow OH^-$	4 = +2 1 + 02 -> 20 11 -	nol